



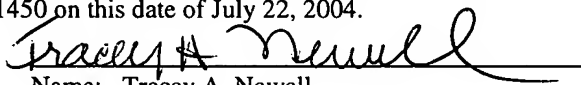
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ichiro HAZEYAMA, et al. :
Serial No.: 10/700,438 : Art Unit: 1725
Filed: November 4, 2003 : Examiner: Edmondson, Lynne Renee
For: **TRANSFER APPARATUS FOR** : Atty. Docket: KIM-01802
ARRAYING SMALL :
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Certificate of Mailing

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date of July 22, 2004.


Name: Tracey A. Newell

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. 1.56. Copies of the documents are also being submitted.

The references submitted herewith were cited by the Taiwanese Patent Office in a May 21, 2004 Office Action (copy enclosed) for a counterpart application. Since this Information Disclosure Statement is being filed within three months of that date and prior to either a Final Office Action or a Notice of Allowance for this case, no fee is due.

In compliance with the requirements of 37 C.F.R. §1.98(a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 35 U.S.C. §1.56(c) most knowledgeable about the content of the information, the undersigned attorney of

record submits a translation of portions of an official action by a foreign examiner in which the references were cited. A copy of the official action is enclosed. The relevance to the pending U.S. patent application is that the references were cited in a foreign patent application corresponding to the above-captioned U.S. patent application. However, no independent analysis of the references, the accuracy of the statement of the foreign examiner or the claims of the foreign application under the laws of that country or the United States relative to the subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign examiner's comments submitted herewith.

The Examiner is respectfully requested to initial the space adjacent to each document on the PTO-1449 form and return a copy of the PTO-1449 form to confirm that these documents have been considered by the Examiner and made of record in this application.

Although we believe that we have appropriately provided for any fees due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to/from our **Deposit Account No. 031721**. Two originally-executed copies of this form are being submitted.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 248-4038.

Respectfully submitted,
CHOATE, HALL & STEWART

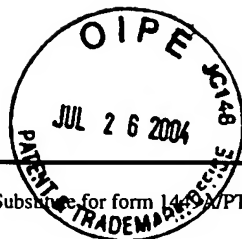


Donald W. Muirhead
Registration No. 33,978

July 22, 2004

Date

Patent Group
Choate, Hall & Stewart
Exchange Place
53 State Street
Boston, Massachusetts 02109



Substitute for form 1449, USPTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet	1	of	2	Application Number	10/700,438
				Filing Date	November 4, 2003
				First Named Inventor	Ichiro HAZEYAMA
				Art Unit	1725
				Examiner Name	EDMONDSON, Lynne Renee
Attorney Docket Number				KIM-01802	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS


Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
		460355	10-21-2001	China		<input type="checkbox"/>
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						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3.) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
		Application Number	10/700,438		
		Filing Date	November 4, 2003		
		First Named Inventor	Ichiro HAZEYAMA		
		Art Unit	1725		
		Examiner Name	EDMONDSON, Lynne Renee		
Sheet	2	of	2	Attorney Docket Number	KIM-01802

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		English Version of China Patent Publication No. 460355 (publication date: 10-21-2001).	<input type="checkbox"/>
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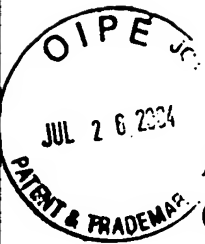
Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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As a result of the examination, [it is found that] Republic of China Patent Publication No. 460355 (publication date: October 21, 2001), "Apparatus for Transferring Micro-Balls," discloses that micro-balls are held by a suction force at the recessed part of the suction head, and moved between the suction location, transfer location, and suction-head replacement location by utilizing the support frame. The technique of sucking conductive balls using the suction head and transferring the conductive balls to the conductive pad by means of a driving mechanism in the present application clearly corresponds to [the technique used] in the above-mentioned cited example. Accordingly, a person skilled in the art could easily contrive [the invention of the present application].

The cited example, "Apparatus for Transferring Micro-Balls," involves a technique whereby micro-balls are attached by suction and then transferred from the recessed part on the surface of the palette to the recessed part of the suction head. Based on the content disclosed in this cited example (as is shown in Figure 3), we think that the recessed suction part (20) of the suction head and the recessed part (2) on the surface of the palette (3) in this cited example do not fit the description in Claim 1 of the present application, which states, "paths physically separated from one another."